

10/086, 1321

FILE 'HOME' ENTERED AT 09:46:42 ON 18 NOV 2003

=> file biosis medline caplus wpids uspatfull
COST IN U.S. DOLLARS

SINCE FILE ENTRY	TOTAL SESSION
0.21	0.21

FULL ESTIMATED COST

FILE 'BIOSIS' ENTERED AT 09:47:02 ON 18 NOV 2003
COPYRIGHT (C) 2003 BIOLOGICAL ABSTRACTS INC. (R)

FILE 'MEDLINE' ENTERED AT 09:47:02 ON 18 NOV 2003

FILE 'CAPLUS' ENTERED AT 09:47:02 ON 18 NOV 2003
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2003 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'WPIDS' ENTERED AT 09:47:02 ON 18 NOV 2003
COPYRIGHT (C) 2003 THOMSON DERWENT

FILE 'USPATFULL' ENTERED AT 09:47:02 ON 18 NOV 2003
CA INDEXING COPYRIGHT (C) 2003 AMERICAN CHEMICAL SOCIETY (ACS)

*** YOU HAVE NEW MAIL ***

=> s resensiti? (10a) P glycoprotein
L1 1 RESENSITI? (10A) P GLYCOPROTEIN

=> d 11 bib abs

L1 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2003 ACS on STN
AN 1996:655077 CAPLUS
DN 125:316442
TI .alpha.- (3,4-Dimethoxyphenyl)-3,4-dihydro-6,7-dimethoxy-.alpha.-[(4-methylphenyl)thio]-2(1H)-isoquinolineheptanenitrile (CL 329,753): A novel chemosensitizing agent for P-glycoprotein-mediated resistance with improved biological properties compared with verapamil and cyclosporine A
AU Greenberger, Lee M.; Collins, Karen I.; Annable, Tami; Boni, Joseph P.; May, Michael K.; Lai, Fong M.; Kramer, Robert; Citeralla, Ronald V.; Hallett, William A.; Powell, Dennis
CS Departments Oncology and Immunology, Wyeth-Ayerst Research, Pearl River, NY, 10965, USA
SO Oncology Research (1996), 8(5), 207-218
CODEN: ONREE8; ISSN: 0965-0407
PB Elsevier
DT Journal
LA English
AB Agents that inhibit P-glycoprotein may restore sensitivity to some antitumor drugs in cancer patients. Optimization of the specificity and potency of one class of chemosensitizing agents related to verapamil has led to the identification of CL 329,753. In vitro, 0.1 to 2.0 .mu.M CL 329,753 restored sensitivity to drugs in the multidrug resistance (MDR) phenotype in cell lines that overexpress P-glycoprotein. CL 329,753 was greater than 10-fold more potent and efficacious than cyclosporine A or verapamil in vitro, particularly in cells that express high levels of P-glycoprotein. The enhanced activity of CL 329,753 may be related to its inability to be transported by P-glycoprotein, since low drug accumulation of cyclosporine or verapamil but not CL 329,753 was found in P-glycoprotein-contg. cells, yet all three agents inhibited vinblastine binding to membranes contg. P-glycoprotein and inhibited photoaffinity labeling of P-glycoprotein. In vivo, CL 329,753 resensitized